

Amendments to the Claims

Kindly amend claims 24, 46 & 71 as set forth below. In accordance with current amendment practice, all pending claims are reproduced below. Changes in the amended claims are shown by underlining (for added matter) and strikethrough/double brackets (for deleted matter).

1-6. Canceled.

7. (Previously Presented) The method of claim 22, wherein said event comprises a joining of said operating system instance to said cluster.

8. Canceled.

9. (Previously Presented) The method of claim 22, wherein said performing an action comprises allowing the event to proceed, in response to the unique identifier, the local unique identifier and the global unique identifier being consistent.

10. (Previously Presented) The method of claim 22, wherein said performing an action comprises updating the local unique identifier to reflect that the operating system instance has been deleted from the cluster, in response to the unique identifier being equal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

11. (Previously Presented) The method of claim 22, wherein said performing an action comprises updating the local unique identifier and the global unique identifier, in response to the unique identifier being unequal to the local unique identifier, and the local identifier being equal to the global unique identifier.

12. (Previously Presented) The method of claim 22, wherein said performing an action comprises updating the local unique identifier to reflect that the operating system instance has been deleted from the cluster, in response to the unique identifier being unequal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

13-21. Canceled.

22. (Previously Presented) A method of managing identifiers of components of a distributed computing environment, said method comprising:

providing, by an operating system instance of said distributed computing environment, a an original unique identifier of a component of the distributed computing environment to a cluster of the distributed computing environment;

storing, by the cluster, the unique identifier in local storage and global storage, providing a local unique identifier and a global unique identifier;

providing the original unique identifier of the component in response to a cluster event;

determining, in response to the a cluster event, whether the original unique identifier, local unique identifier and global unique identifier are in agreement;
and

performing an action in response to the determining indicating one or more of the original unique identifier, local unique identifier and global unique identifier are not in agreement.

23. (Previously Presented) The method of claim 22, wherein said cluster event comprises a join of the operating system instance to the cluster.

24. (Currently Amended) A method of managing identifiers of components of a distributed computing environment, said method comprising:

identifying a component of the distributed computing environment by an original unique identifier, ~~and a local copy of the unique identifier and a global copy of the unique identifier;~~

storing, by a cluster of the distributed computing environment, the original unique identifier in local storage and global storage, providing a local unique identifier copy and a global unique identifier copy;

providing the original unique identifier in response to a cluster event; and

automatically updating, by [[a]] the cluster of the distributed computing environment, one or more of the original unique identifier, the local unique identifier copy and the global unique identifier copy, to provide consistency among the original unique identifier, the local unique identifier copy and the global unique identifier copy, in response to the cluster event.

25-28. Canceled.

29. (Previously Presented) The system of claim 44, wherein said event comprises a joining of said operating system instance to said cluster.

30. Canceled.

31. (Previously Presented) The system of claim 44, wherein said means for performing an action comprises means for allowing the event to proceed, in response to the unique identifier, the local unique identifier and the global unique identifier being consistent.

32. (Previously Presented) The system of claim 44, wherein said means for performing an action comprises means for updating the local unique identifier to reflect that the operating system instance has been deleted from the cluster, in response to the unique identifier being equal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

33. (Previously Presented) The system of claim 44, wherein said means for performing an action comprises means for updating the local unique identifier and the global unique identifier, in response to the unique identifier being unequal to the local unique identifier, and the local unique identifier being equal to the global unique identifier.

34. (Previously Presented) The system of claim 44, wherein said means for performing an action comprises means for updating the local unique identifier to reflect that the operating system instance has been deleted from the cluster, in response to the unique identifier being unequal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

35-43. Canceled.

44. (Previously Presented) A system of managing identifiers of components of a distributed computing environment, said system comprising:

means for providing, by an operating system instance of said distributed computing environment, an original unique identifier of a component of the distributed computing environment to a cluster of the distributed computing environment;

means for storing, by the cluster, the unique identifier in local storage and global storage, providing a local unique identifier and a global unique identifier;

means for providing the original unique identifier of the component in response to a cluster event;

means for determining, in response to the cluster event, whether the original unique identifier, local unique identifier and global unique identifier are in agreement; and

means for performing an action in response to the determining indicating one or more of the original unique identifier, local unique identifier and global unique identifier are not in agreement.

45. (Previously Presented) The system of claim 44, wherein said cluster event comprises a join of the operating system instance to the cluster.

46. (Currently Amended) A system of managing identifiers of components of a distributed computing environment, said system comprising:

means for identifying a component of the distributed computing environment by an original unique identifier, ~~a local copy of the unique identifier and a global copy of the unique identifier;~~

means for storing, by a cluster of the distributed computing environment, the original unique identifier in local storage and global storage, providing a local unique identifier copy and a global unique identifier copy;

means for providing the original unique identifier in response to a cluster event; and

means for automatically updating, by [[a]] the cluster of the distributed computing environment, one or more of the original unique identifier, the local unique identifier copy and the global unique identifier copy, to provide consistency among the original unique identifier, the local unique identifier copy and the global unique identifier copy, in response to the cluster event.

47. Canceled.

48. (Previously Presented) A system of managing identifiers of components of a distributed computing environment, said system comprising:

an operating system instance of said distributed computing environment to provide an original unique identifier of a component of the distributed computing environment to a cluster of the distributed computing environment;

local storage and global storage of the distributed computing environment to store the unique identifier, providing a local unique identifier and a global unique identifier;

a distributed configuration manager of the cluster to provide the original unique identifier in response to a cluster event, and to determine, in response to the cluster event, whether the original unique, local unique and global unique identifiers are in agreement, and to perform an action in response to the determining indicating one or more of the identifiers are not in agreement.

49. (Previously Presented) A system of managing identifiers of components of a distributed computing environment, said system comprising:

a component of the distributed computing environment identified by an original unique identifier, a local copy of the unique identifier and a global copy of the unique identifier;

means for providing the original unique identifier in response to a cluster event; and

a cluster of the distributed computing environment to automatically update one or more of the original unique identifier, the local unique identifier copy and the global unique identifier copy, to provide consistency among the original unique identifier, the local unique identifier copy and the global unique identifier copy, in response to the cluster event.

50-53. Canceled.

54. (Previously Presented) The at least one program storage device of claim 69, wherein said event comprises a joining of said operating system instance to said cluster.

55. Canceled.

56. (Previously Presented) The at least one program storage device of claim 69, wherein said performing an action comprises allowing the event to proceed, in response to the unique identifier, the local unique identifier and the global unique identifier being consistent.

57. (Previously Presented) The at least one program storage device of claim 69, wherein said performing an action comprises updating the local unique identifier to reflect that the operating system instance has been deleted from the cluster, in response to the unique identifier being equal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

58. (Previously Presented) The at least one program storage device of claim 69, wherein said performing an action comprises updating the local unique identifier and the global unique identifier, in response to the unique identifier being unequal to the local unique identifier, and the local unique identifier being equal to the global unique identifier.

59. (Previously Presented) The at least one program storage device of claim 69, wherein said performing an action comprises updating the local unique identifier to reflect that the operating system instance has been deleted from the cluster, in response to the unique identifier being unequal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

60-68. Canceled.

69. (Previously Presented) At least one program storage device readable by a machine tangibly embodying at least one program of instructions executable by the machine to perform a method of managing identifiers of components of a distributed computing environment, said method comprising:

providing, by an operating system instance of said distributed computing environment, an original unique identifier of a component of the distributed computing environment to a cluster of the distributed computing environment;

storing, by the cluster, the unique identifier in local storage and global storage, providing a local unique identifier and a global unique identifier;

providing the original unique identifier of the component in response to a cluster event;

determining, in response to the a cluster event, whether the original unique, local unique and global unique identifiers are in agreement; and

performing an action in response to the determining indicating one or more of the identifiers are not in agreement.

70. (Previously Presented) The at least one program storage device of claim 69, wherein said cluster event comprises a join of the operating system instance to the cluster.

71. (Currently Amended) At least one program storage device readable by a machine tangibly embodying at least one program of instructions executable by the machine to perform a method of managing identifiers of components of a distributed computing environment, said method comprising:

identifying a component of the distributed computing environment by an original unique identifier, ~~and a local copy of the unique identifier and a global copy of the unique identifier;~~

storing, by a cluster of the distributed computing environment, the original unique identifier in local storage and global storage, providing a local unique identifier copy and a global unique identifier copy;

providing the original unique identifier in response to a cluster event; and

automatically updating, by ~~[[a]]~~ the cluster of the distributed computing environment, one or more of the original unique identifier, the local unique identifier copy and the global unique identifier copy, to provide consistency among the original unique identifier, the local unique identifier copy and the global unique identifier copy, in response to the cluster event.

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